

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	83	frequency near converter and under adj voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/14 10:24
S2	3	frequency near converter and under adj voltage near (protect protecting protection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 12:41
S3	20	voltage near converter and under adj voltage near (protect protecting protection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 12:41
S4	14	voltage near converter and under adj voltage near (protect protecting protection) and (delay timer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 14:06
S5	27	("2458658"   "2804553"   "3513325"   "3597623"   "3728516"   "3889178"   "3912980"   "3928746"   "3961154"   "4247752"   "4314195"   "4465920"   "4794232"   "4870248"   "4952774"   "4994646"   "5166567"   "5355075"   "5408067"   "5444214"   "5636114"   "5637246"   "5670070"   "5708254"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 14:00
S6	54	converter and under adj voltage near (protect protecting protection) and (delay timer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 14:07
S7	27	converter and under adj voltage near (protect protecting protection) and (delay timer) and voltage near level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 14:58
S8	0	converter and under adj voltage near (protect protecting protection) and (delay timer) and voltage near level and (start starter starting) near level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 14:13

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S9	2	under adj voltage near (protect protecting protection) and (delay timer) and voltage near first near level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 14:59
S10	3	under adj voltage near (protect protecting protection) and (delay timer) and voltage near first near ( value level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 15:10
S11	1473	361/92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 15:10
S12	1607	start near up same (time delay timer) same (predetermined adj level threshold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 13:35
S13	31	start near up same (time delay timer) same ( level threshold) same first near level same second near level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 13:51
S14	1515	(low near voltage or under near voltage) near (detect detecting protect protecting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 13:53
S15	121	under near voltage near (detect detecting protect protecting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 13:54
S16	43	under near voltage near (detect detecting protect protecting) same (time timer delay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 13:54
S17	7	under near voltage near (detect detecting protect protecting) same (time timer delay) same (level threshold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 14:10
S18	1473	361/92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 14:10

## EAST Search History

S19	565	361/92 and (timer delay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 14:10
S20	38	361/92 and (timer delay) and first near level and second near level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 14:22
S21	19	361/92 and (timer delay) and first near level and second near level and relay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/11 14:23
S22	13	"4,306,265"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/13 12:33
S23	10	"3,940,664"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/13 12:34
S24	0	(under near voltage or undervolatge) near (protect protecting protection) and (timer delay) near (bypass bypassing)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:30
S25	0	(under near voltage or undervolatge) near (protect protecting protection) and (timer timing delay) near (bypass bypassing)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:30
S26	0	converter and under adj voltage near (protect protecting protection) and (delay timer) near (bypass bypassing)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:34
S27	0	converter and under adj voltage near (protect protecting protection) and (delay timer) near (bypass bypassing bypassed)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:34
S28	5	converter and under adj voltage near (protect protecting protection) and (delay timer) same (bypass bypassing bypassed)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:47
S29	11	("3879647"   "4347558"   "4479175"   "4533986"   "4571551"   "4586119"   "4694386"   "4714978"   "4717994"   "4729085"   "4758940").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/13 14:39

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S30	3	("4347558"   "4714978"   "4821163").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/13 14:41
S31	15	("4872100").URPN.	USPAT	OR	ON	2005/02/13 14:42
S32	8267	(delay timer) same (bypass bypassing bypassed)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:47
S33	702	(delay timer) near (bypass bypassing bypassed)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:47
S34	488	delay near (bypass bypassing bypassed)	US-PGPUB; USPAT	OR	ON	2005/02/13 14:47
S35	6	delay near (bypass bypassing bypassed) near switch	US-PGPUB; USPAT	OR	ON	2005/02/13 16:07
S36	1831	361/187	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/13 16:07
S37	1126	361/90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/14 10:25
S38	1	10/710,659	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 10:10
S39	165	motor and frequency adj converter and starter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 10:10
S40	9	motor and frequency adj converter and starter and (under near voltage or undervoltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 10:19
S41	0	motor and frequency adj converter and starter near relay and (under near voltage or undervoltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 10:16

## EAST Search History

S42	11	frequency adj converter and starter and (under near voltage or undervoltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 12:10
S43	1	frequency adj converter and starter and (under near voltage or undervoltage) and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 10:20
S44	11	frequency adj converter and starter and (under near voltage or undervoltage) and tim\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 11:10
S45	1	frequency adj converter and starter and (under near voltage or undervoltage) and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 12:11
S46	1722	(under near voltage or undervoltage) and timer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 12:11
S47	310	(under near voltage or undervoltage) and timer and relay near3 contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 12:12
S48	25	(under near voltage or undervoltage) near protect\$3 and timer and relay near3 contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 14:22
S49	4	"20020003686"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 14:23